

## DESIGN PANEL NO. 11 - 3/25/97

### RELIABLE MESSAGING PHASE 2 THREAD - ALEX MORALES

#### OVERVIEW

Reliable Messages provides the following major capabilities for Redstone:

- Reliable Message re-transmission and status reporting
- Provide logical communication paths in support of Location Transparency
- Incorporate the COTS TYMSERVE NTP Server for network time synchronization
- Investigate/analyze network fault tolerance
- Define and implement an interface approach to Redundancy Management
- Provide performance measurements and data for system modeling
- System and Application Message Writer message distribution recording, retrieval and display
- Assess recording of IPCs and other data types.

#### ISSUE

- System Message Writer CSCI Assessment has been made by considering a modification of the MCC Advisory Services software which was ported as part of the JUNO Delivery.

#### ACTIONS

	<u>ACTIONEE</u>	<u>DUE DATE</u>	<u>STATUS</u>
• SE&I to resolve whether this is adequate. Application Interface Team (AIT) Action. - Resolve Application Service API..	J. Wilkinson	4/11/97	In Work
• Reconcile corrections and changes to the SOW Section of the Delivery Document for Reliable Messages as indicated in Section 1.3. This reconciled SOW will be provided at the Requirements Design Panel for Network Services.	R. Dawson/ A. Morales	4/03/97	In Work
• Test requirements to System Test Group.	A. Morales	4/3/97	In Work
• An agreed upon concept for the Architecture Design of the System Message Writer CSCI/CSCs.	R. Dawson	4/3/97	In Work

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<b><u>ACTIONS</u></b>	<b><u>ACTIONEE</u></b>	<b><u>DUE DATE</u></b>	<b><u>STATUS</u></b>
• An agreed upon API definition for the System Message Writer, including Gateway considerations must be completed.	J. Wilkinson	4/3/97	In Work
• Section 1.12, Procurement needs to be completed	A. Morales	4/3/97	In Work
• Section 1.10, Training Requirements needs more definition.	A. Morales	4/3/97	In Work
• Section 1.9, Test Requirements needs more definition.	A. Morales	4/3/97	In Work

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### GSE LINK SUPPORT PHASE 1 THREAD - SHAWN QUINN

#### OVERVIEW

- The GSE Support Thread establishes the initial capability to monitor and stimulate CCMS format GSE link FD's. Recording, Retrieval, Databank, application services, display services, Data Distribution, System Build services and Test Build services will support basic CCMS format GSE FD's.

#### ACTIONS

<u>ACTIONS</u>	<u>ACTIONEE</u>	<u>DUE DATE</u>	<u>STATUS</u>
• Require update to Assessment Package, due at Detail Design Panel.	S. Quinn	TBD	In Work

## DESIGN PANEL NO. 11 - 3/25/97

### USER DISPLAY MONITOR/PLOTTING THREAD - JERRYL PAYNE

#### OVERVIEW

- The User Display Monitor and Processing thread supports monitor-only user display application development and processing on the Checkout and Launch Control System (CLCS) Human Computer Interface (HCI) Workstation. It also provides a path-finding demonstration of extensions to the selected dynamic data visualization tools (DDVT) to support advanced data plotting features such as those provided by a PCGOAL Workstation.

#### ACTIONS

	<u>ACTIONEE</u>	<u>DUE DATE</u>	<u>STATUS</u>
• Clarification of the SEI's requirements for Plotter provisions.	R. Dawson	4/15/97	In Work

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### USER COMMANDING PHASE 1 THREAD - GORDON EVANS

#### OVERVIEW

- The User Commanding Thread for the Redstone delivery provides initial capability for demonstrating basic User Commanding capability in two environments:
  - End-to-End demonstration (HCI-to-HIM) of GSE Analog and Discrete commanding
  - Demonstration of user display capability to control GSE Analog and Discrete Stimulus in the Application Debut Configuration Thread.
- The User Commanding capability will support the application debug development and the RTCN Stimulation Thread.

#### ACTIONS

#### ACTIONEE

#### DUE DATE

#### STATUS

No Action Required